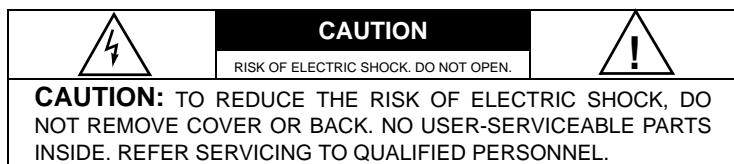


1 in 2 out Bi-Directional Cable / TV Amplifier

OWNER'S MANUAL — Please read before using this equipment.

The RadioShack Bi-Directional Cable Amplifier is ideal for long cable runs or where additional signal level is needed to deliver clean video signal from a single source to two receivers. The amplifier increases the output signal up to 10 dB to ensure that the receivers have a strong signal. This amplifier also has an unamplified reverse path to allow signal to be sent from a video output for bi-directional communication, cable modems, pay-per-view, and interactive TV. The amplifier's gain control lets you adjust the amplification to help minimize interference and maximize picture quality.

WARNING: To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.



This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.



This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

Cautions:



You must use a Class 2 power source that supplies 9V DC and delivers at least 100 mA. Its center tip must be set to positive and its plug must fit the amplifier's adapter jack. The supplied adapter meets these specifications. Using an adapter that does not meet these specifications could damage the amplifier or the adapter.

Always connect the AC adapter to the amplifier before you connect it to AC power. When you finish, disconnect the adapter from AC power before you disconnect it from the amplifier.

SAFETY INSTRUCTIONS

- Read all the safety and operating instructions before operating the amplifier.
- Retain these safety and operating instructions for future reference.
- Heed all warnings on the amplifier and in the operating instructions.
- Carefully follow all operating instructions.
- This appliance should not be used near water, such as near a bathtub, washbowl, kitchen sink or laundry tub.

- This amplifier should be situated so that its location or position does not interfere with its proper ventilation.
- This amplifier should be connected only to a power supply of the type described in the operating instructions or as marked on the amplifier.
- Do not attempt to defeat the grounding or polarization components of this amplifier.
- Power supply cords should be routed so that they are not walked on or pinched. Pay particular attention to cords at plugs, power receptacles, and the point where they exit from the amplifier.
- Wipe the amplifier with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the amplifier.
- The power cord of the amplifier should be unplugged from the outlet when left unused for extended periods of time.
- Do not allow liquids to spill through the amplifier's openings.
- The amplifier should be situated away from heat sources such as radiators, heat registers, stoves or other appliances that cause heat. Temperature extremes can shorten the life of electronic devices and distort or melt plastic parts.
- If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges, built-up static charges and lightning strikes. Section 810 of the National Electric Code (NEC), ANSI/NFPA NO. 70-1990, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.
- The CATV system installers attention should be directed to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

SELECTING A LOCATION

Select a location for your amplifier that is close to your input source and an AC outlet. You can mount the amplifier on a wall or other surface using #6 screws suitable for mounting in your location.

Warning: Do not place the amplifier outdoors.

To keep the amount of exposed cable to a minimum, you can place the amplifier in your attic. To prevent interference, do not place the amplifier within 6 inches of any other electronic device.

ROUTING CABLES

Route 75-ohm (RG-6 or RG-6Q) coaxial cable from the amplifier to your input source and to both receivers.

Follow these hints when routing cable:

- Use only as much cable as is necessary to reach from the amplifier to the input source and receivers.

- Do not route cables where they might be cut, crimped, or crushed by normal activities.
- For the best appearance, route the cable through the attic and walls, and terminate each cable in a wall mount box with an F-connector. Wall mount F-connectors, coaxial cable, and other video accessories are available at your local RadioShack store.

MAKING CONNECTIONS

1. Connect coaxial cables (not supplied) to the amplifier terminal using screw-on F-connectors.
 - Connect the input source's coaxial cable to the terminal labeled **INPUT**.
 - Connect the receivers' coaxial cables to either terminal **1** or **2** located under **OUTPUT**. If both amplifier output terminals are not used, attach the supplied terminators to any unused output.

Caution: To prevent damage, do not use pliers or any other tool to tighten screw-on F-connectors. Hand tightening is adequate.

2. Connect the other ends of the coaxial cables to the receivers and input sources.
 - To connect more than one input source to the amplifier, use a high isolation A/B switch or video selector (not supplied, both available at your local RadioShack Store) to switch between the inputs.
 - To connect the output from both the amplifier and another source to the receivers, use a high isolation A/B switch at the receivers.

Caution: Never connect both an outdoor antenna and the output from the amplifier to the antenna input of your TV or VCR without using a high isolation A/B switch. Doing so could cause interference with other nearby receivers.

3. To provide additional grounding, remove a rubber foot and back out the #6 grounding screw. Place a grounding wire (not supplied) over the grounding screw and tighten the screw back into the housing.

Caution: This is an additional grounding method and is not to replace the outdoor antenna system or cable system grounding described in the safety instructions at the beginning of this manual.

4. Connect the supplied AC adapter to the jack in the side of the amplifier.
5. Plug the AC adapter into a standard AC outlet. The amplifier's red power indicator lights when it has power.
6. Turn on both receivers connected to the amplifier.
7. Use a flat-head screwdriver to adjust the amplifier's **GAIN** control until you get the best picture.

Note: In extremely long cable runs (distances over 200 feet between your outdoor antenna and the rest of your system), additional amplification might be needed. Your local RadioShack carries a variety of signal amplifiers.

SPECIFICATIONS:

Forward Path:	
Operating Frequency Range	54–1000 MHz
Gain	up to 10 dB
Gain Adjustment Range	10 dB
Reverse Path:	
Operating Frequency Range	5– 40 MHz
Insertion Loss	7 dB
Adapter Input Voltage	105–135V
Power Usage	<2W
Power Line Frequency	50–60 Hz
Dimensions (HWD)	1 ½ x 3 ¼ x 5 ½-Inches (3.81 x 9.53 x13.97 cm)
Weight	7.04 oz (199.58 g)

Specifications are typical; Individual units might vary. Specifications are subject to change and improvement without notice.

Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, 200 Taylor Street, 6th Floor, Fort Worth, TX 76102

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